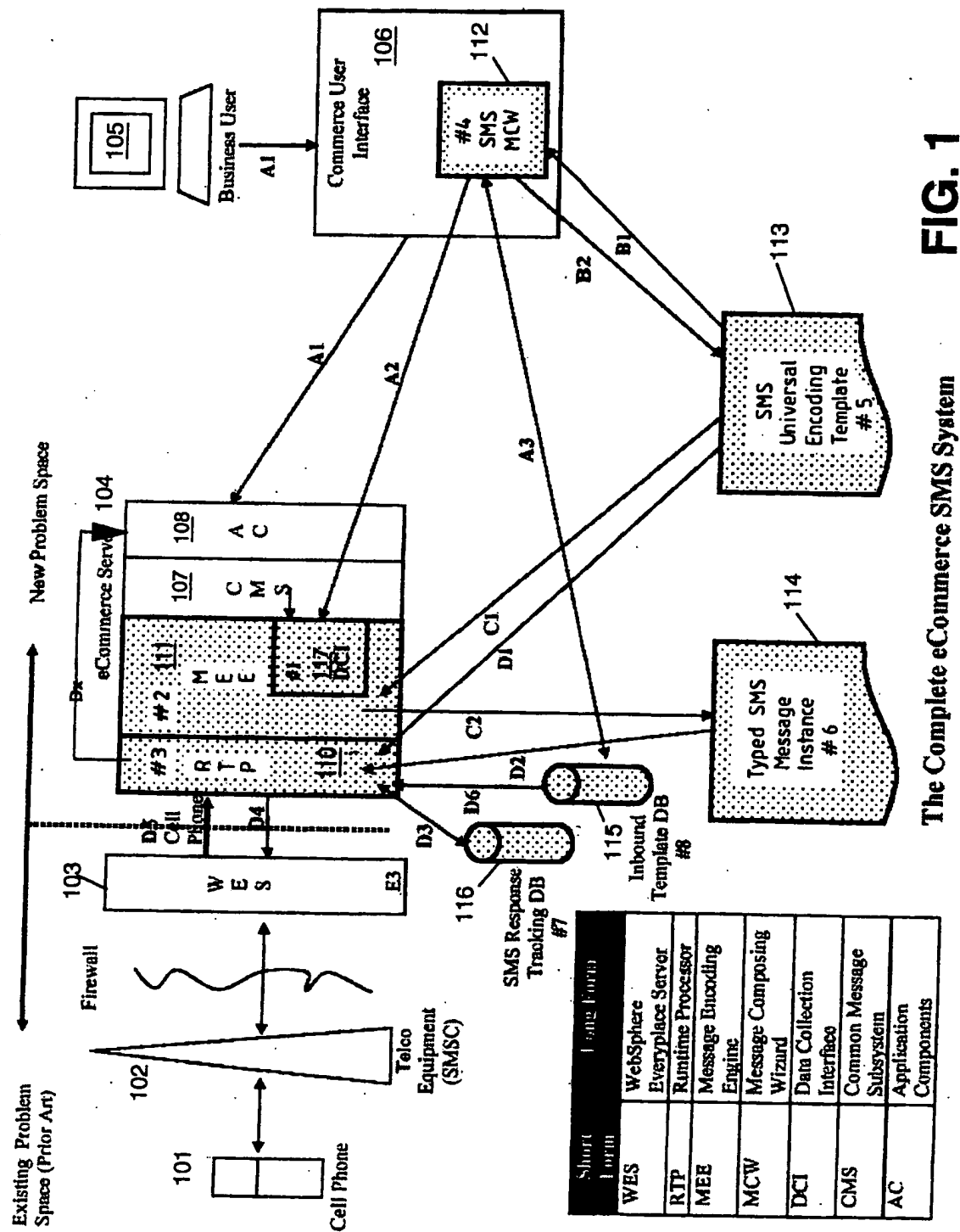


1/21



2 / 21

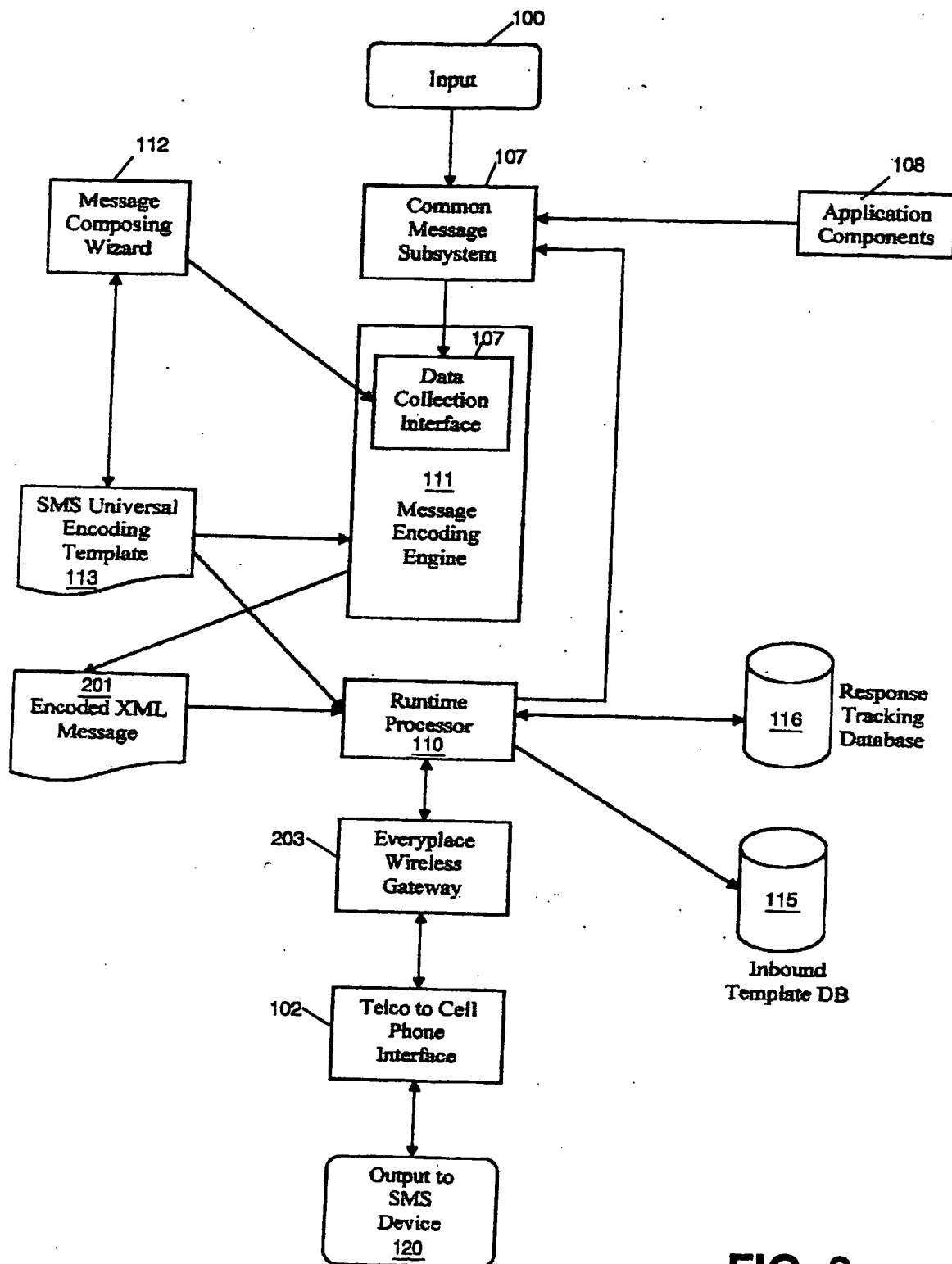


FIG. 2

STRUCTURAL MAPPING OF SMS COMMERCE
INFRASTRUCTURE COMPONENTS

FIG. 3

Using SMS Message Composing Wizard to Create New SMS Type In SMS Universal Encoding Template

Flow Chart For New SMS Type Creation

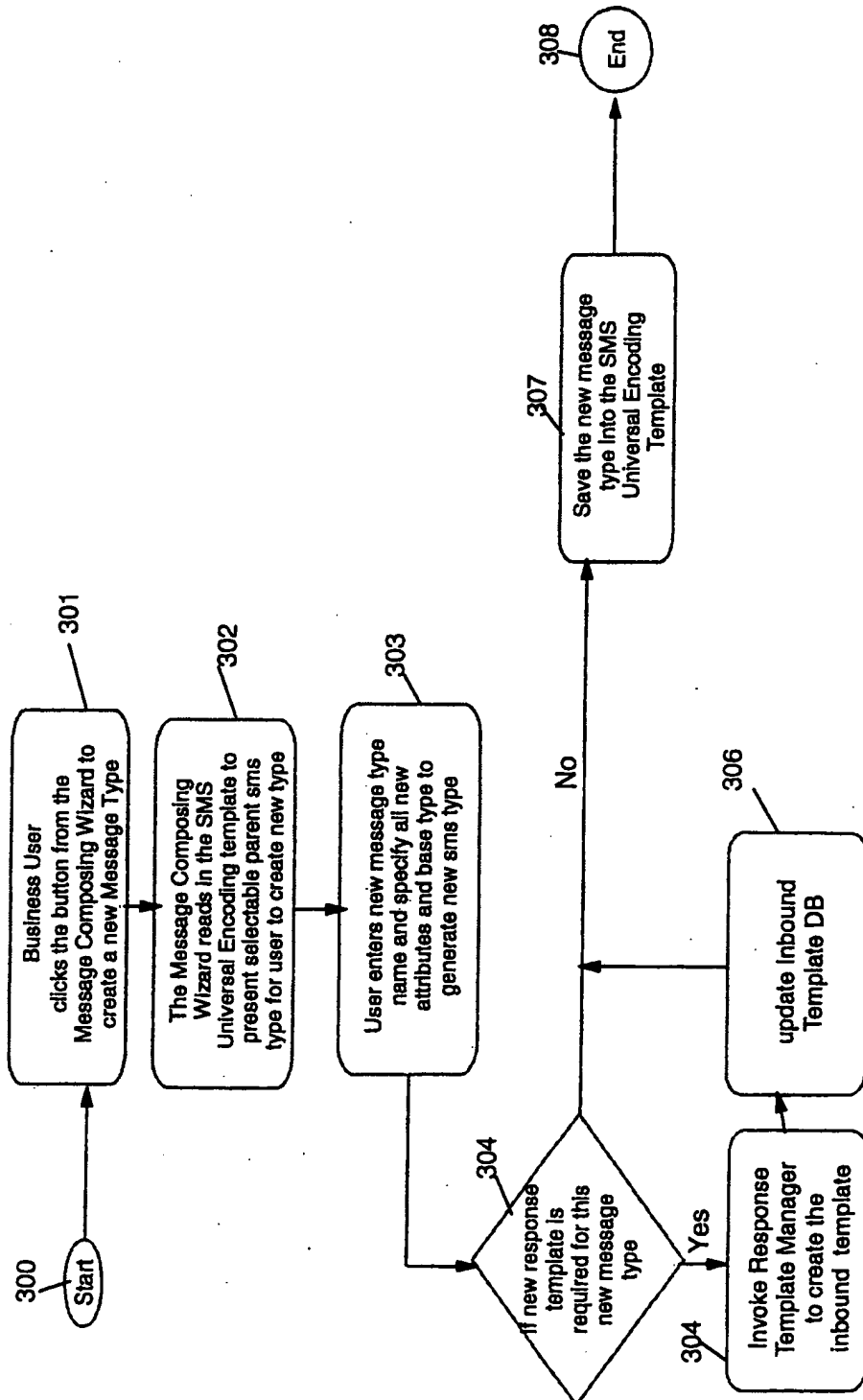


FIG. 4

401 [REDACTED]

402 [REDACTED]

400 Create a new SMS Message Type

403 - X

404 Message Type Name: PaymentExceptionSMSMessage

405 Parent Message Type: ConfirmGenericSMSMessage

406 Default Message: V

407 Your cheque bounced!

408 Default Delivery Options for "Generic Auction OutBided Message":

409 Send Priority: Low ☐ High ☒

410 Message Receiver: User group

411 Send Time: Now ☒ Later ☐ Required ☒

412 414 V

413 418 V

415 Calendar V HH:MM 416

417 Reply:

Action	Command
CONFIRMED	PaymentExceptionConfCmd
PIN	ValidatePINCommand

5/21

FIG. 5
SMS Encoding Flow Diagram

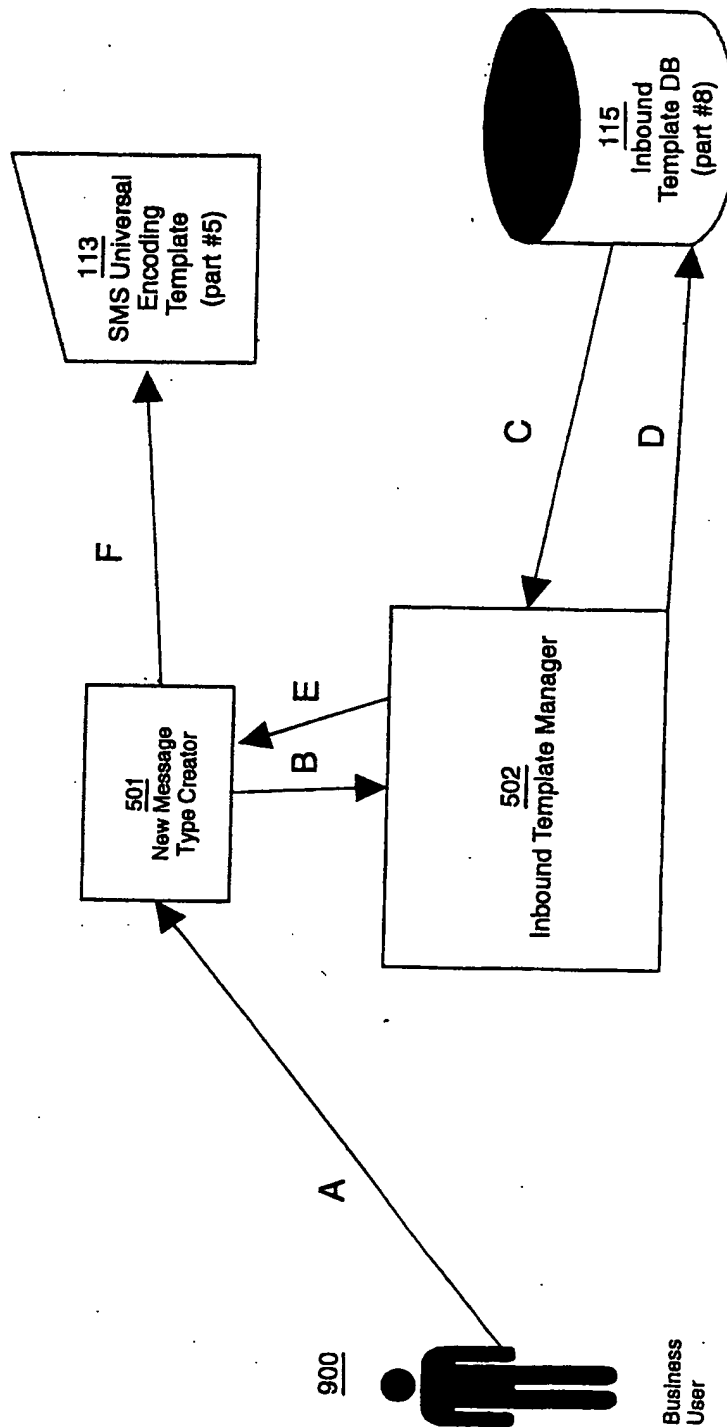
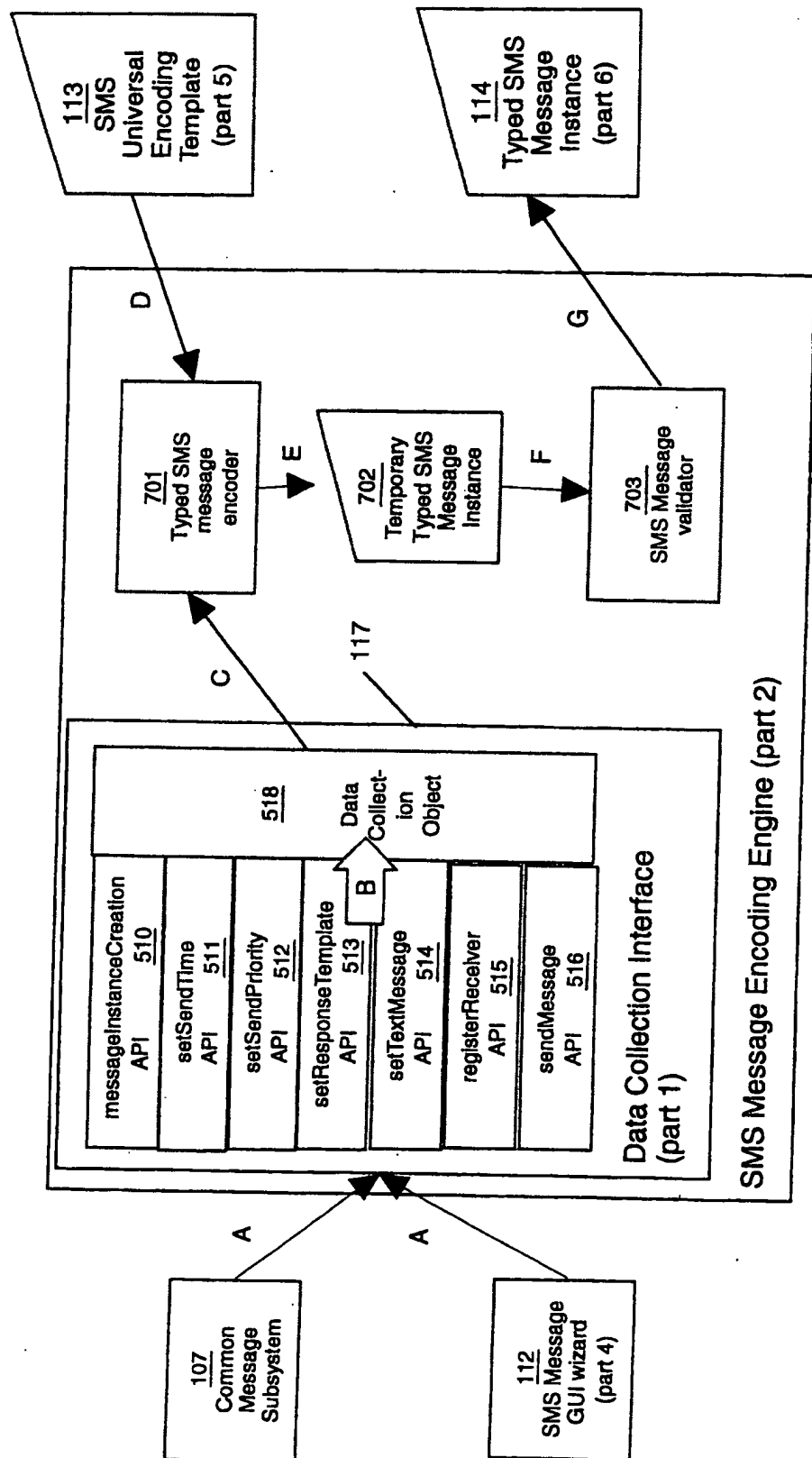
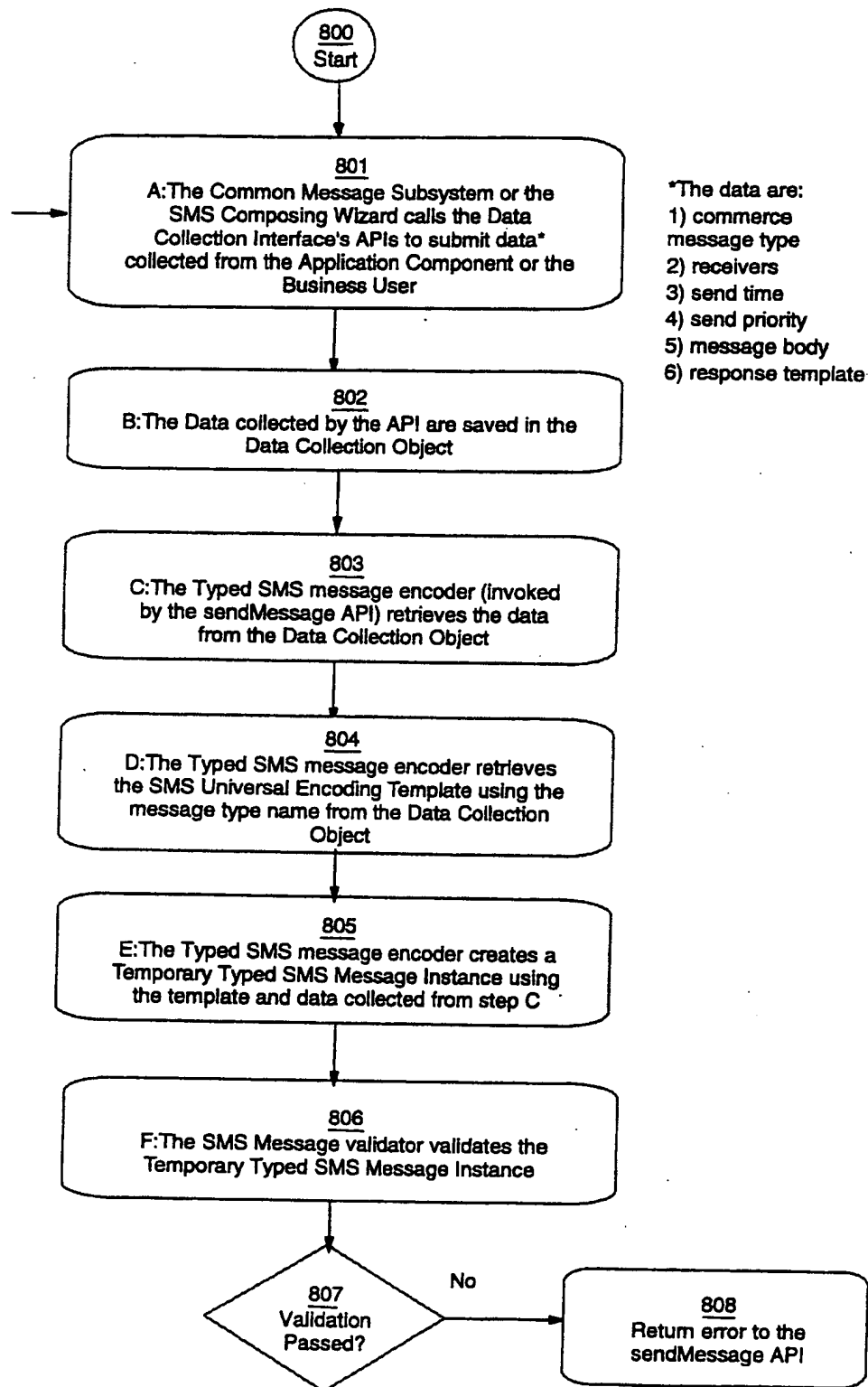


FIG. 6**SMS Message Encoding Engine
Structure Diagram**

7/21

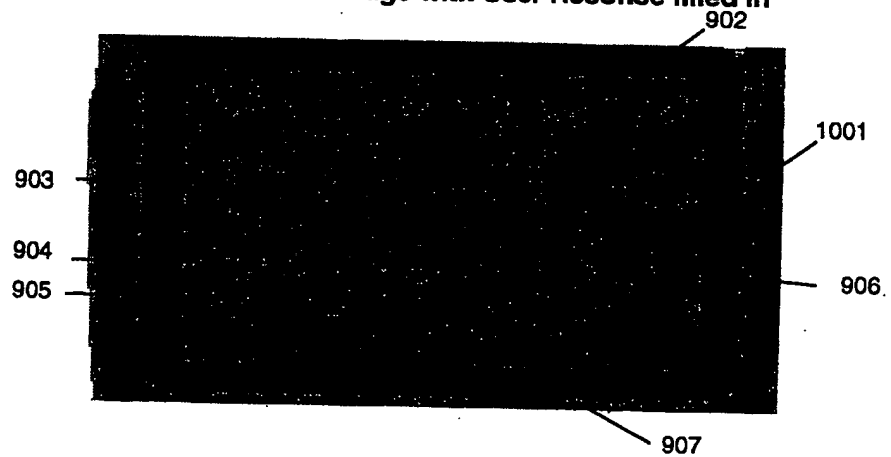
**FIG. 7** SMS Message Encoding Engine Flow Diagram

8/21

FIG. 8 Actual Outbound SMS Message Example



FIG. 9 SMS Inbound Message with User Resonse filled in



9/21

FIG. 10 GUI to Compose an SMS Message

1101 Send a SMS Message

1103

1104 Commerce Message ☐ PaymentExceptionSMSMessage ☒ V

1105 Message :
Your cheque bounced!

1106 Delivery Options:

1107 Send Priority :
☐ Low
☒ High

1108 Message Receiver :
Message group ☐ V
User/ User group ☒ V
Steve

1109 Send Time:
Calendar ☒ V HH:MM ☐ ☐

1110 Reply :

Action	Command
CONFIRMED	PaymentExceptionConfCmd
PIN	ValidatePINCommand

1111

1112

1113

1118

1122

1123

1100

1102

10/21

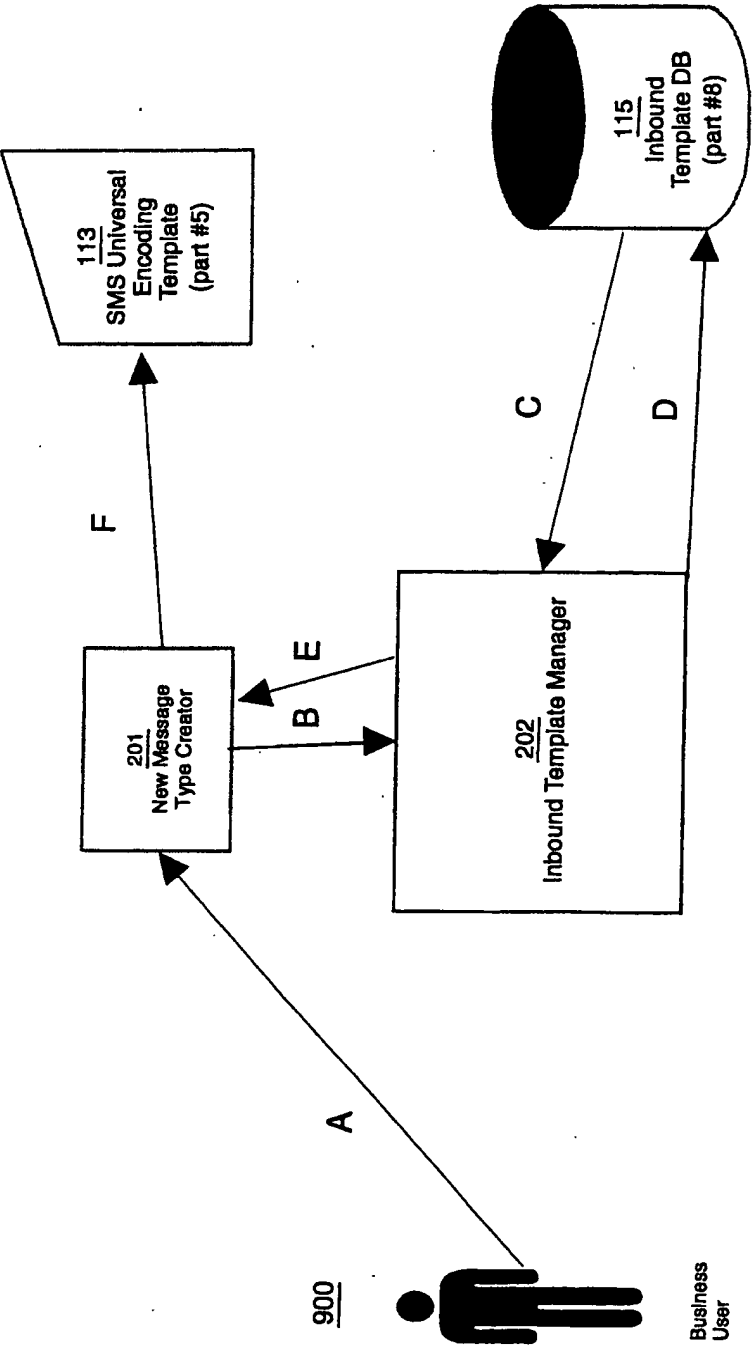
FIG. 11**Adding SMS Inbound Template to the Message Type**

1302	Add SMS Reply Template	1300	- <input type="checkbox"/> X
1306	Response Action:	1303	
1307	Command:	CONFIRMED	1304
		PaymentExceptionConfCmd	V 1305

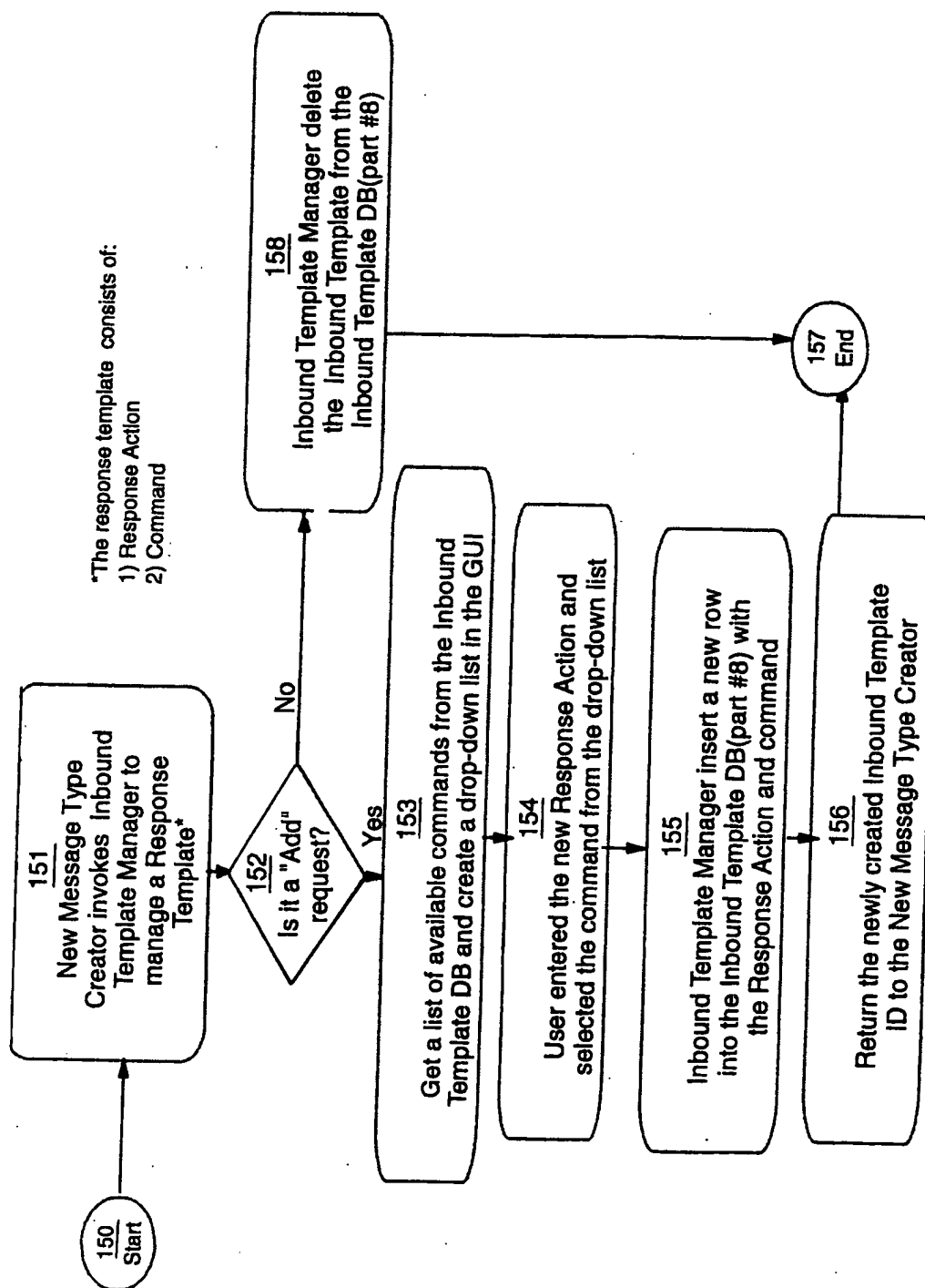
11/21

FIG. 12

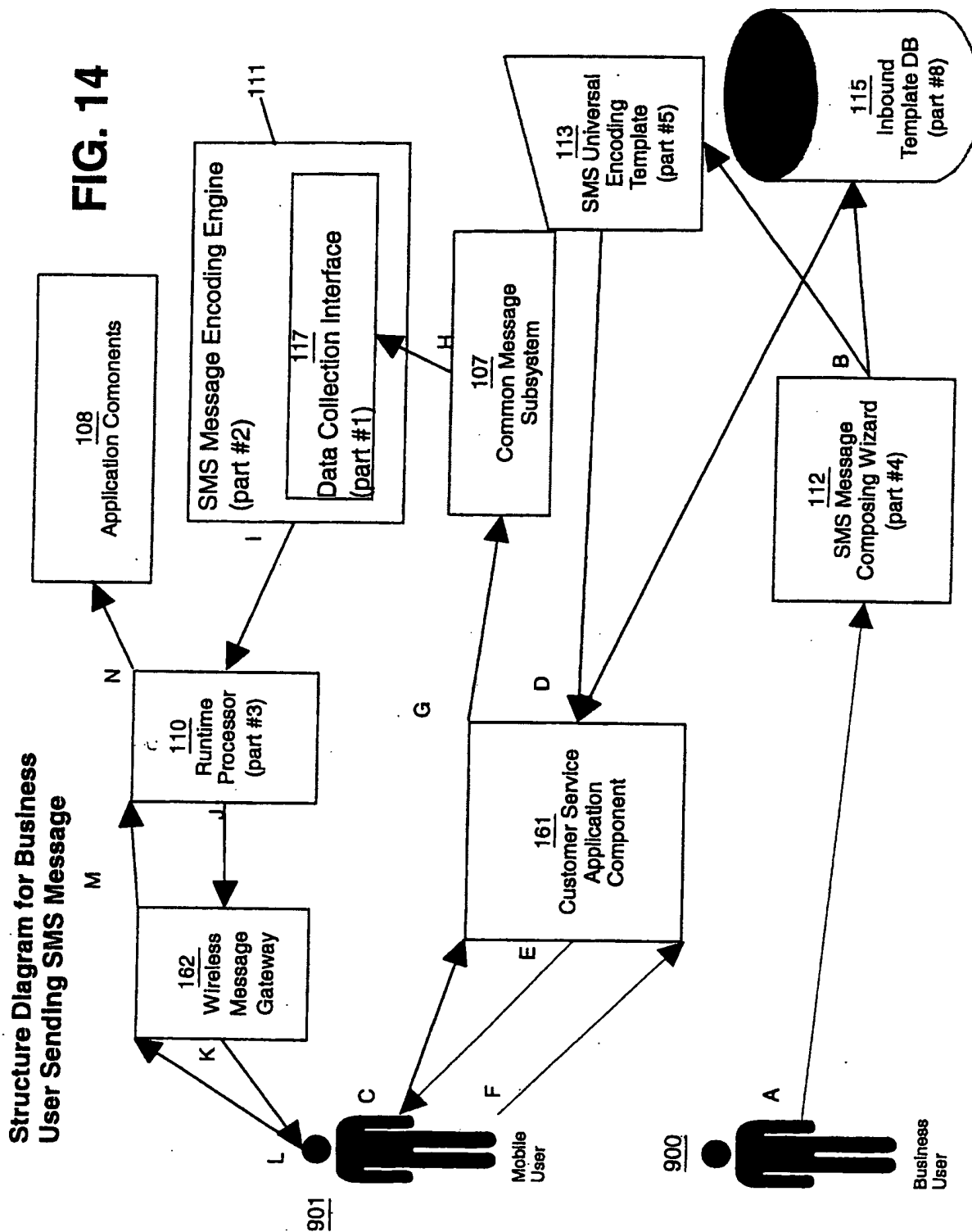
Inbound Template Manager Structure Diagram



12/21

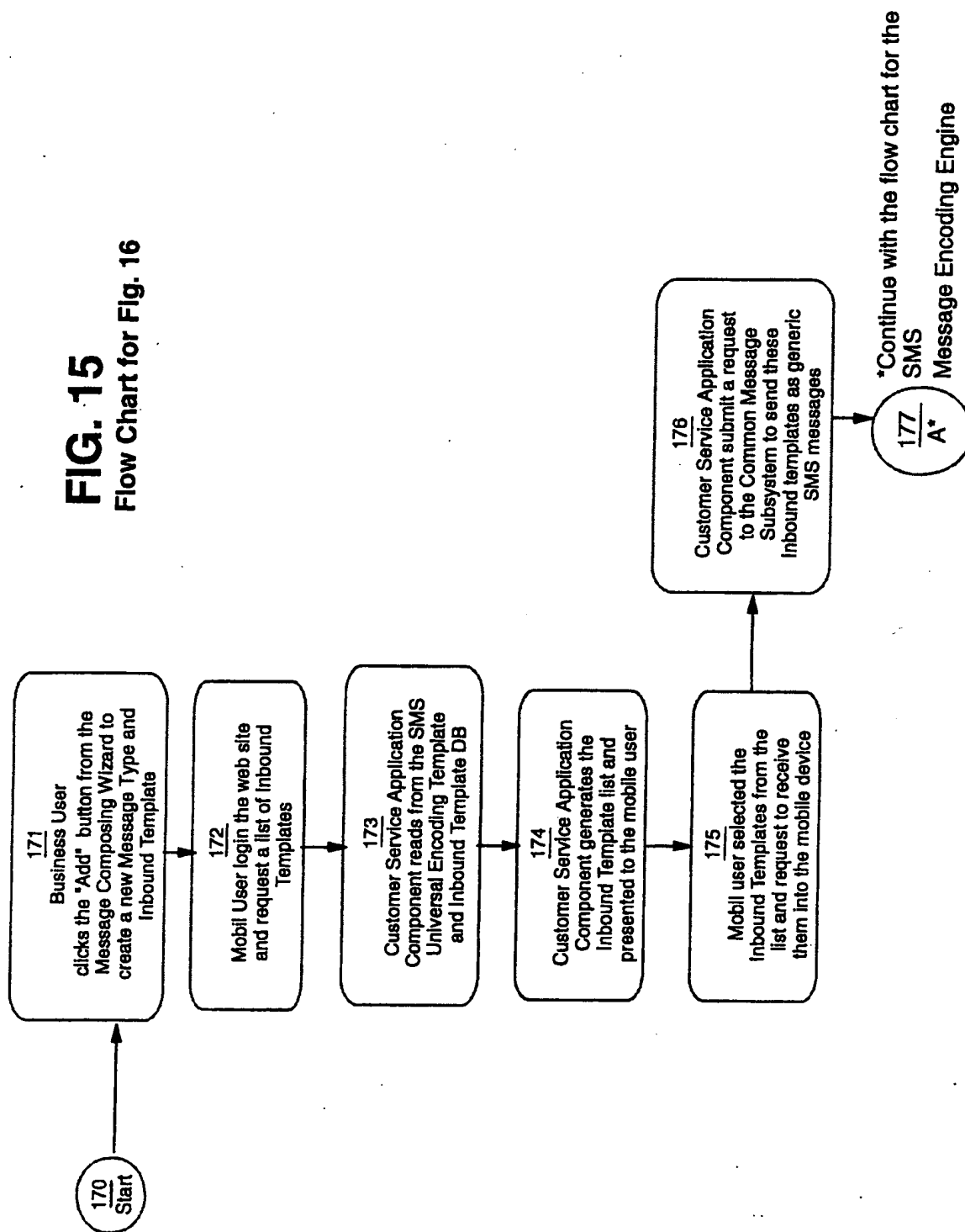
**FIG. 13**

Flow For the Inbound Template Management

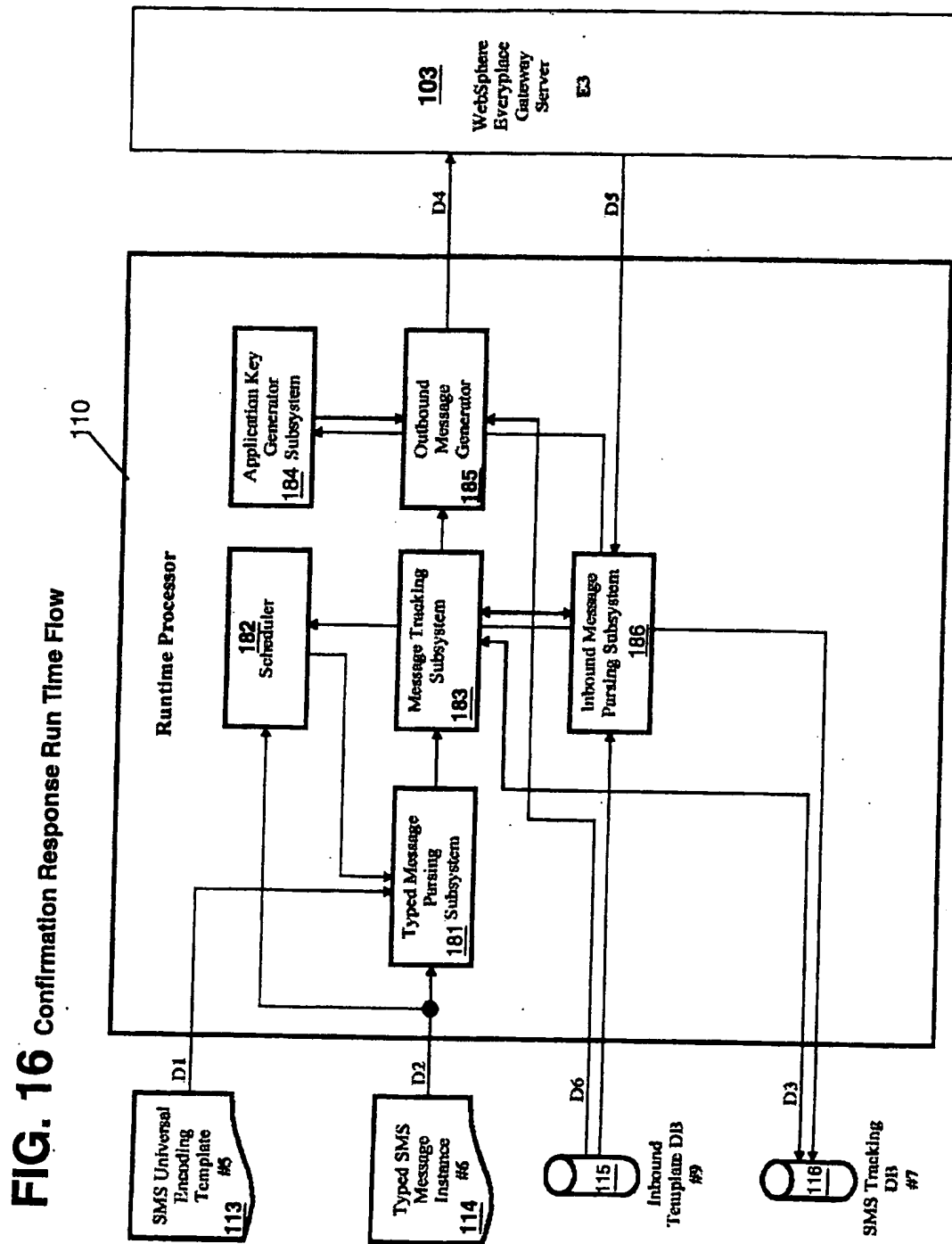


14/21

FIG. 15
Flow Chart for Fig. 16



15 / 21



16/21

Outbound Flow's Flowchart

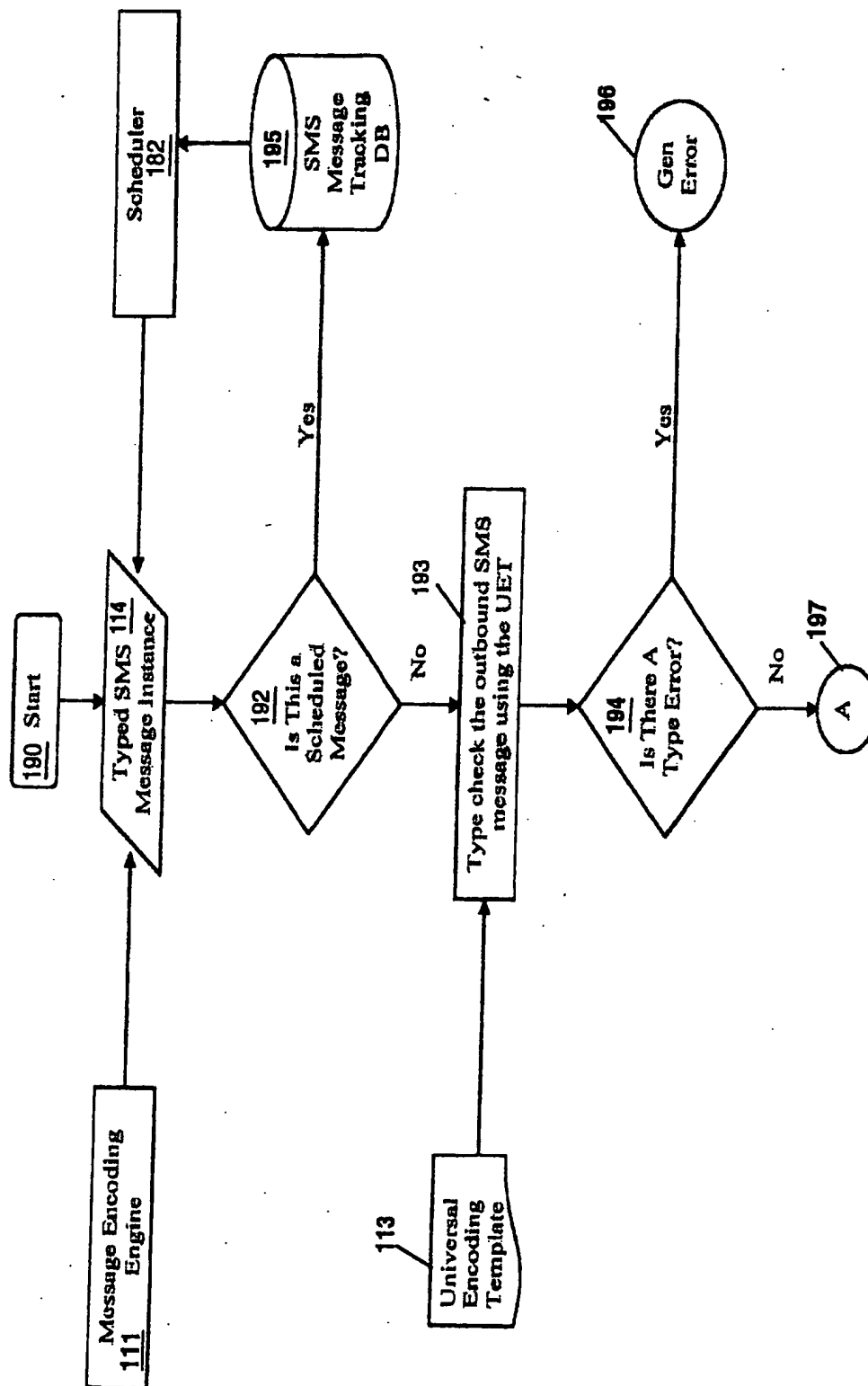
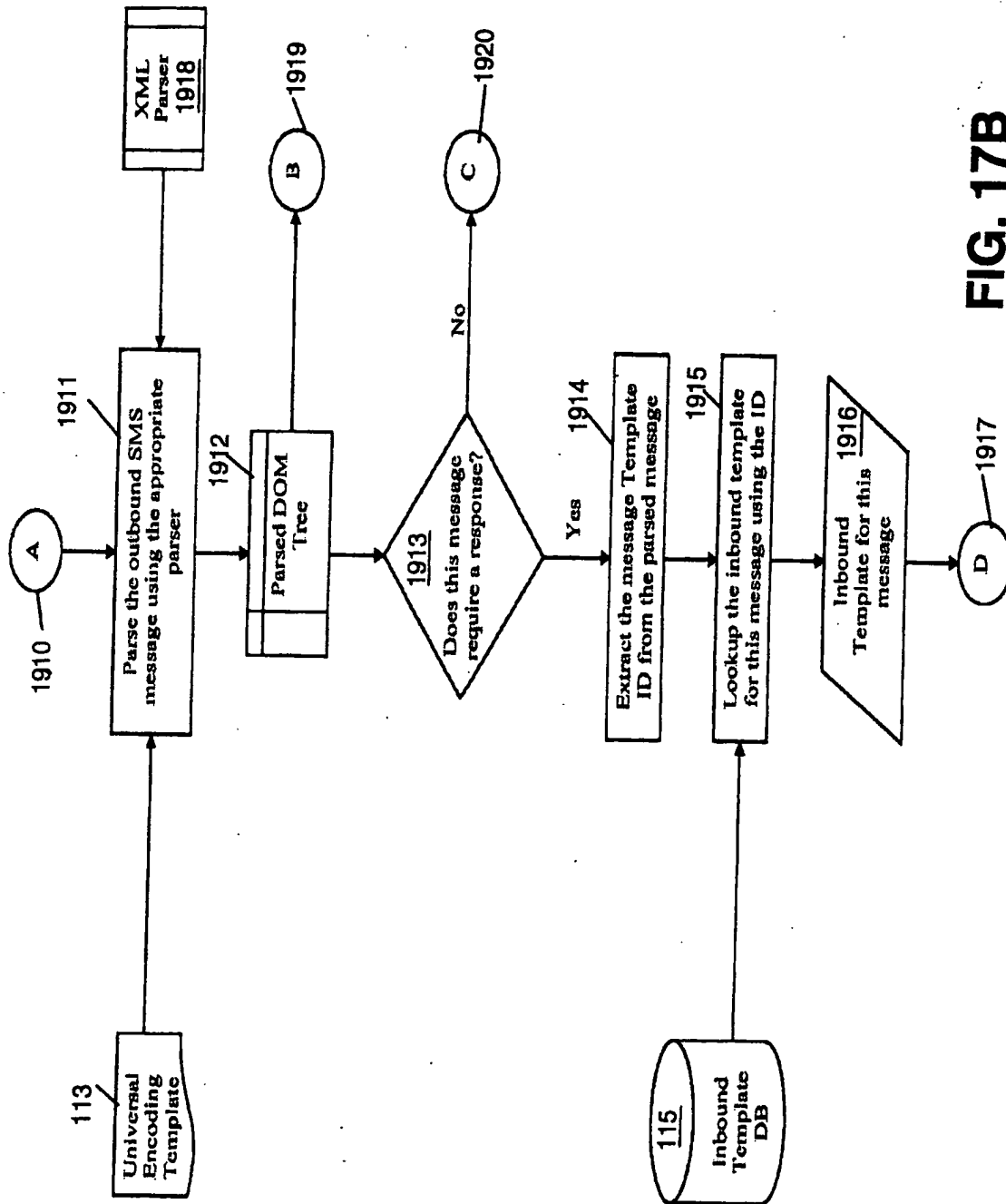


FIG. 17A Outbound Flow Diagram 1

17/21

**FIG. 17B**
OUTBOUND FLOW DIAGRAM 2

18/21

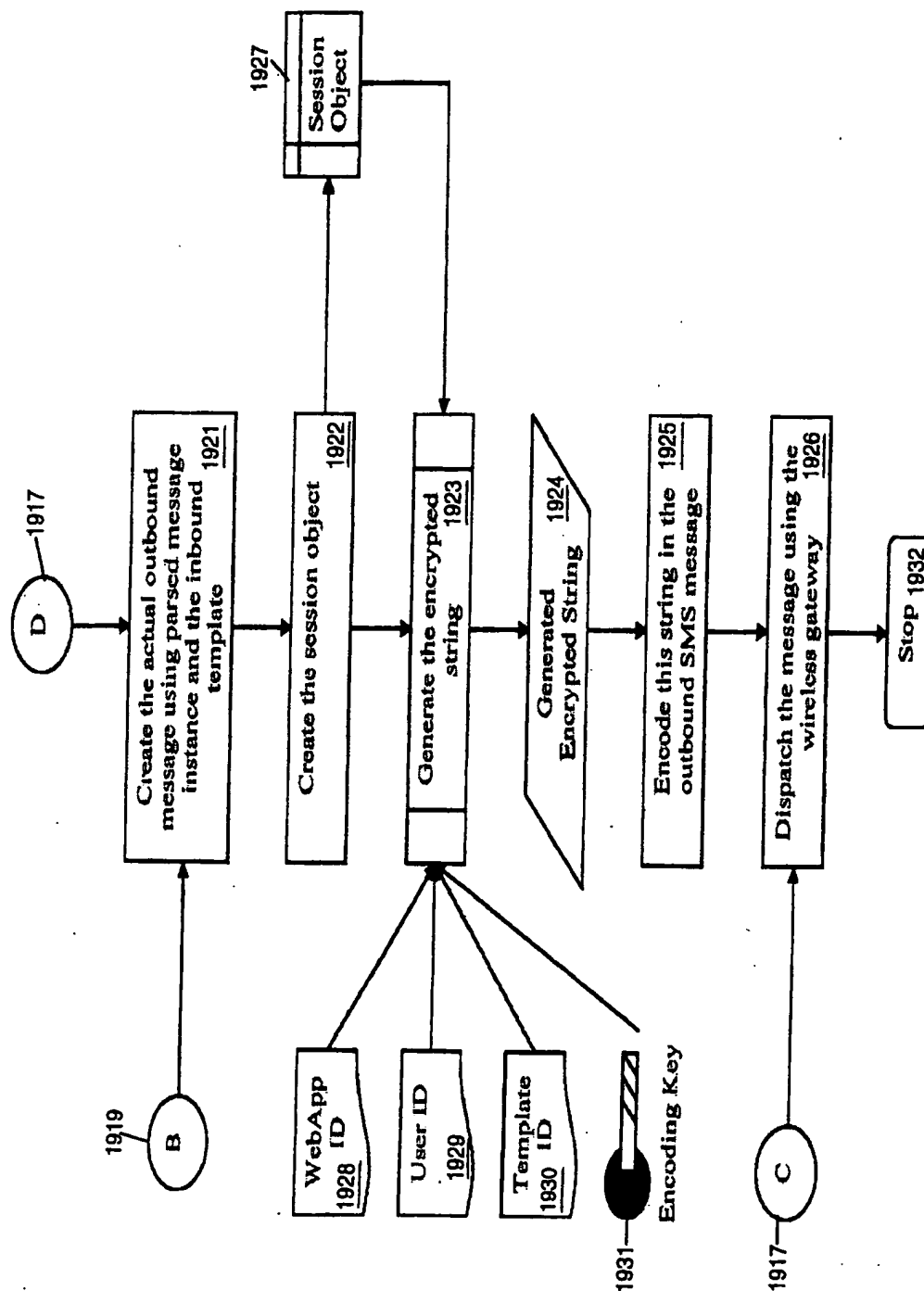


FIG. 17C: OUTBOUND FLOW DIAGRAM 3

19/21

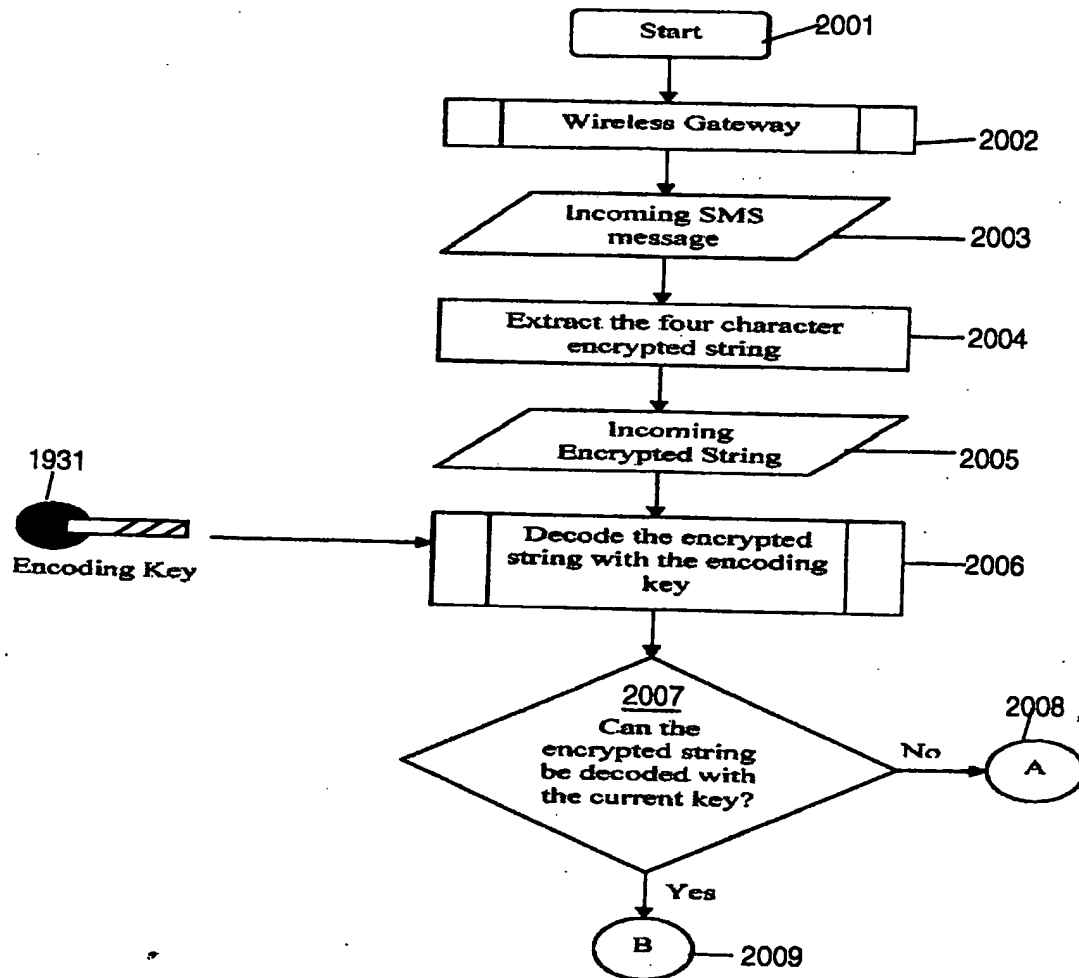
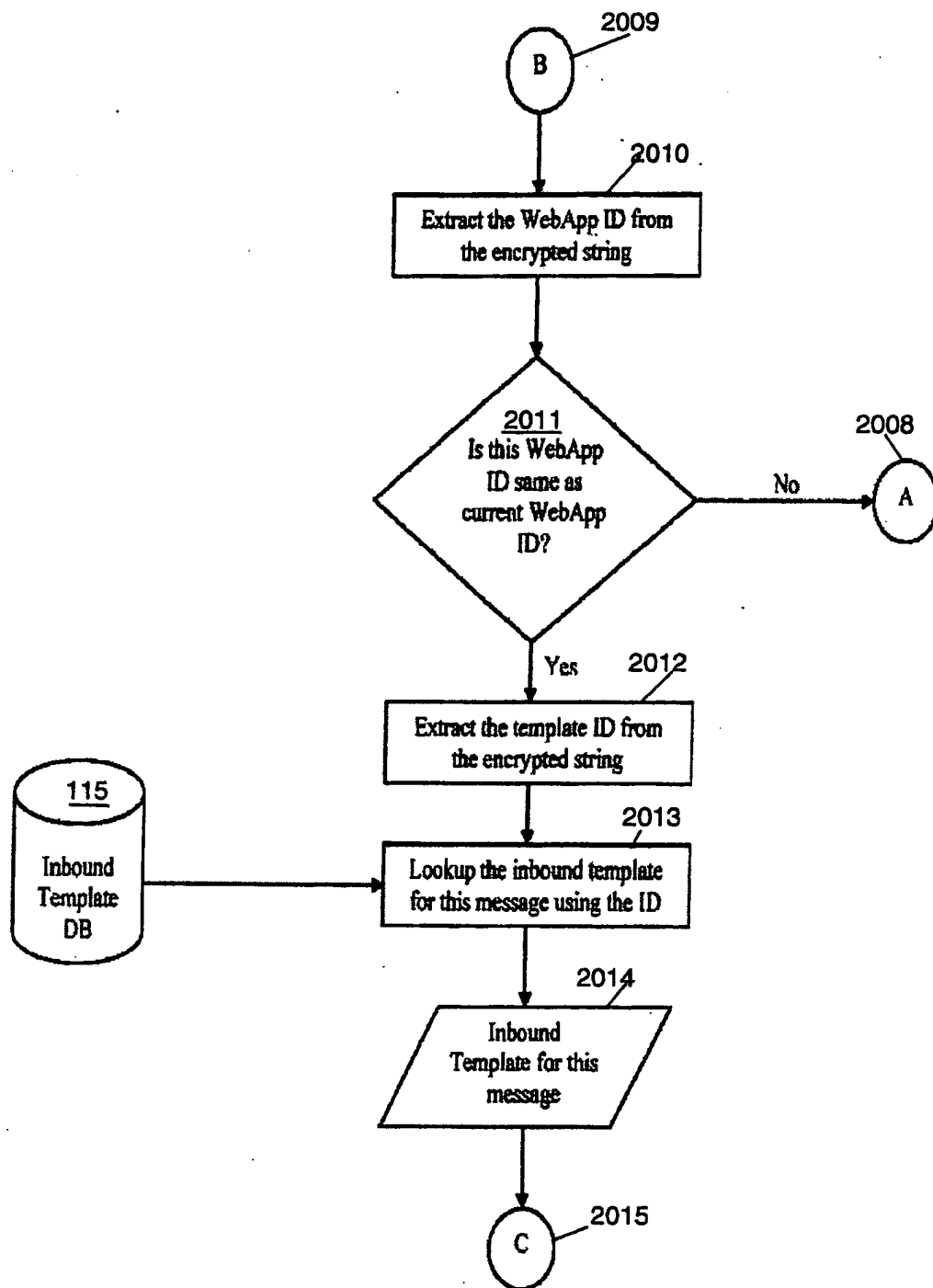
Inbound Flow's Flowchart

FIG. 18A
INBOUND FLOW DIAGRAM 1

20/21

**FIG. 18B**

INBOUND FLOW DIAGRAM 2

21/21

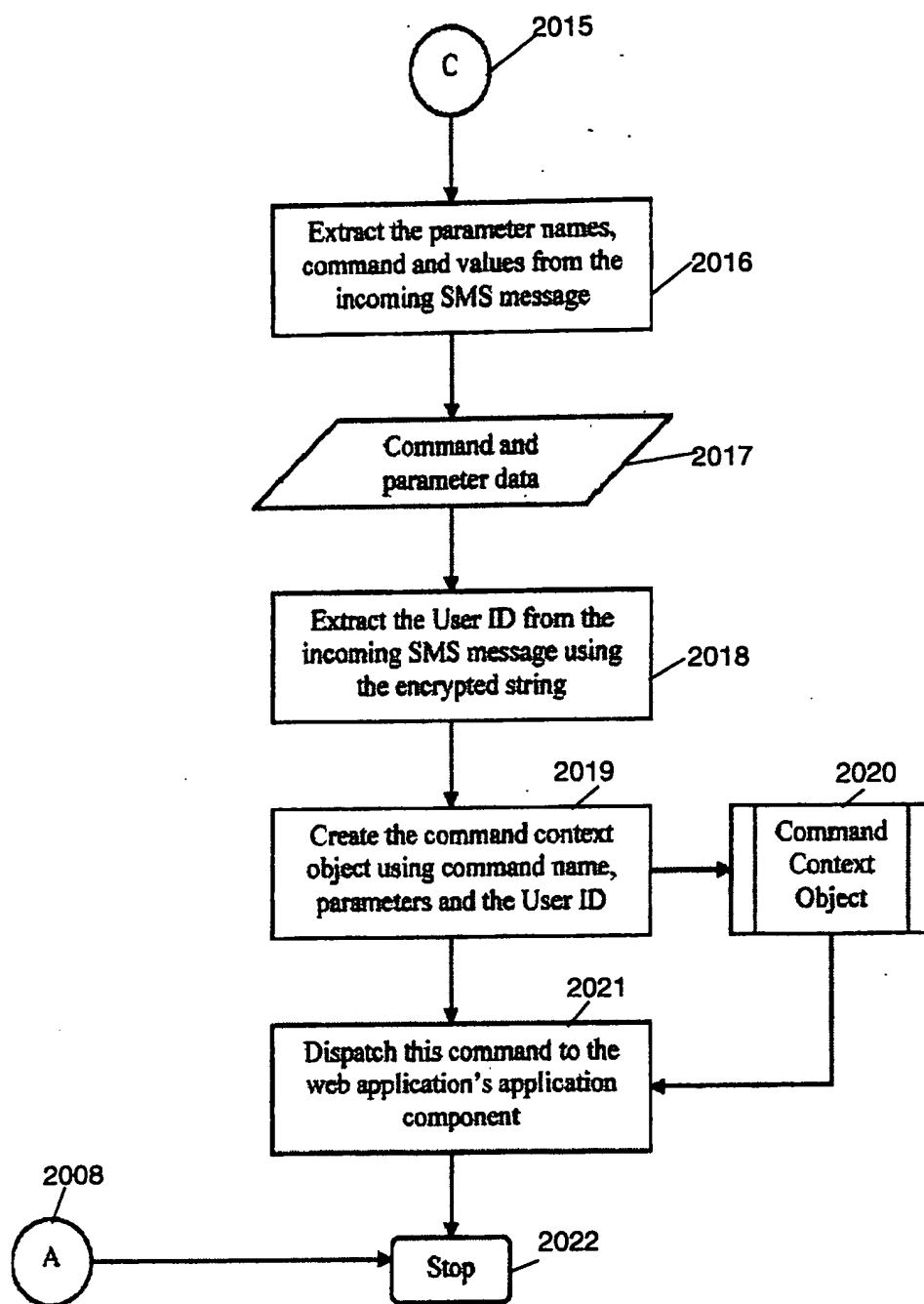


FIG. 18C
INBOUND FLOW DIAGRAM 3